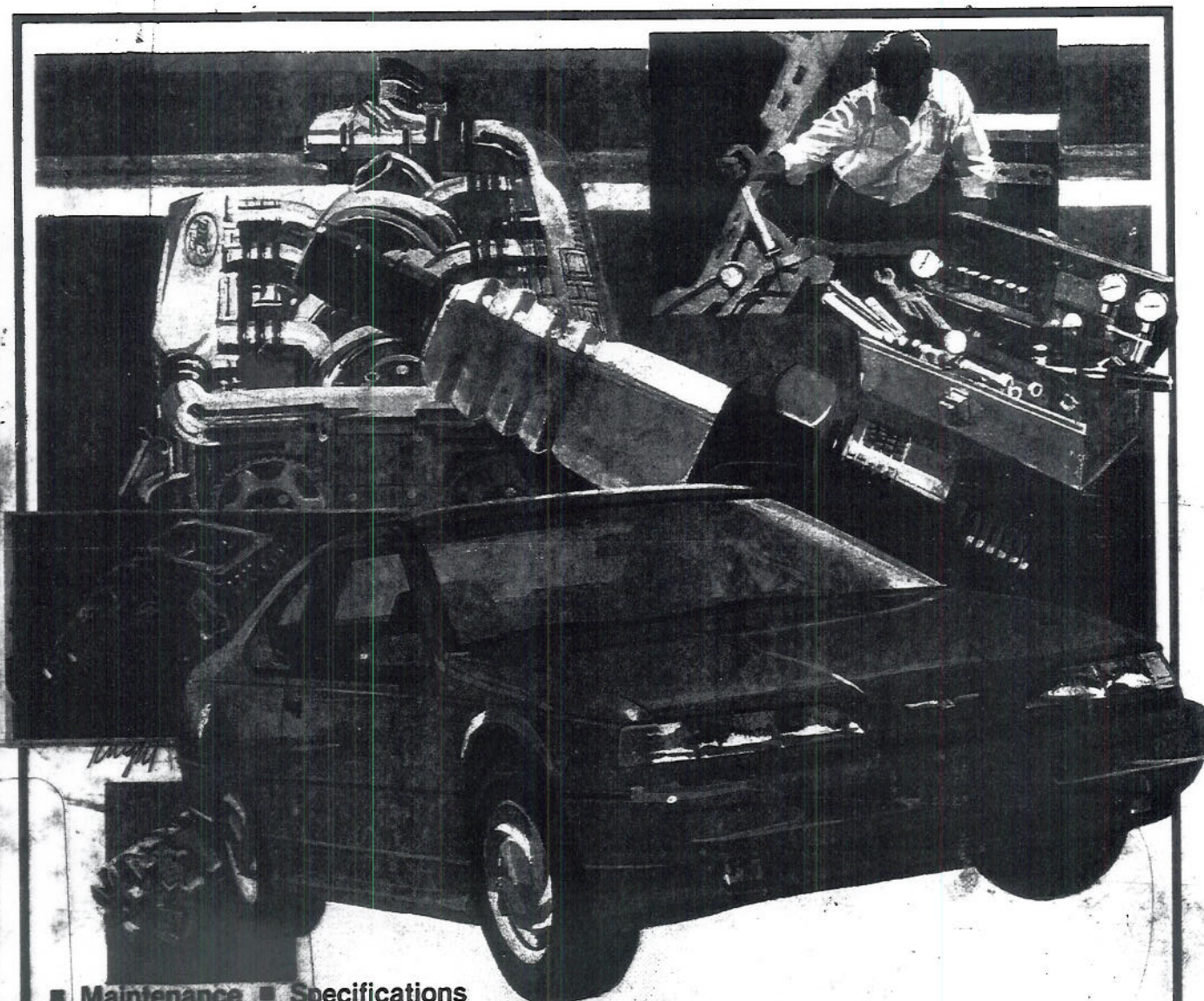


Part No. 7900

8
Years
of Coverage

CHILTON'S AUTO REPAIR MANUAL 1990 1983-1990



- Maintenance ■ Specifications
- Step-by-Step Parts Replacement ■ Engine Rebuilding ■ Turbocharging
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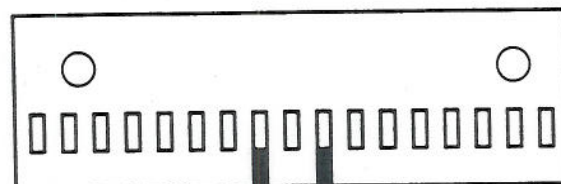
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20 GM "F" BODY

VEHICLE IDENTIFICATION CHART

It is important for servicing and ordering parts to be certain of the vehicle and engine identification. The VIN (vehicle identification number) is a 17 digit number visible through the windshield on the driver's side of the dash and contains the vehicle and engine identification codes. The tenth digit indicates model year and the eighth digit indicates engine code. It can be interpreted as follows:



Engine Code					
Code	Cu. In.	Liter	Cyl.	Fuel Sys.	Eng. Mfg.
F	151	2.5	4	Carb.	Pontiac
2	151	2.5	4	TBI	Pontiac
1	173	2.8	6	Carb.	Chevrolet
L	173	2.8	6	Carb.	Chevrolet
S	173	2.8	6	MFI	Chevrolet
H	305	5.0	8	Carb.	Chevrolet
S	305	5.0	8	EFI	Chevrolet
G	305	5.0	8	Carb.	Chevrolet
F	305	5.0	8	TPI	Chevrolet
E	305	5.0	8	TBI	Chevrolet
L	350	5.7	8	Carb.	Chevrolet
8	350	5.7	8	TPI	Chevrolet
—	191	3.1	6	MFI	CPC

Model Year	
Code	Year
D	1983
E	1984
F	1985
G	1986
H	1987
J	1988
K	1989
L	1990

ENGINE IDENTIFICATION

Year	Model	Engine Displacement cu. in. (liter)	Engine Series Identification (VIN)	No. of Cylinders	Engine Type
1983	Camaro	151 (2.5)	F	4	OHV
	Firebird	151 (2.5)	F	4	OHV
	Camaro	173 (2.8)	1	6	OHV
	Firebird	173 (2.8)	1	6	OHV
	Camaro	173 (2.8)	L	6	OHV
	Firebird	173 (2.8)	L	6	OHV
	Camaro	305 (5.0)	S	8	OHV
	Firebird	305 (5.0)	S	8	OHV
	Camaro	305 (5.0)	H	8	OHV
	Firebird	305 (5.0)	H	8	OHV
1984	Camaro	151 (2.5)	F	4	OHV
	Firebird	151 (2.5)	F	4	OHV
	Camaro	151 (2.5)	2	4	OHV
	Firebird	151 (2.5)	2	4	OHV
	Camaro	173 (2.8)	1	6	OHV
	Firebird	173 (2.8)	1	6	OHV

ENGINE IDENTIFICATION

Year	Model	Engine Displacement cu. in. (liter)	Engine Series Identification (VIN)	No. of Cylinders	Engine Type
1984	Camaro	305 (5.0)	G	8	OHV
	Firebird	305 (5.0)	G	8	OHV
	Camaro	305 (5.0)	H	8	OHV
	Firebird	305 (5.0)	H	8	OHV
1985	Camaro	151 (2.5)	2	4	OHV
	Firebird	151 (2.5)	2	4	OHV
	Camaro	173 (2.8)	5	6	OHV
	Firebird	173 (2.8)	5	6	OHV
	Camaro	305 (5.0)	G	8	OHV
	Firebird	305 (5.0)	G	8	OHV
	Camaro	305 (5.0)	H	8	OHV
	Firebird	305 (5.0)	H	8	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
1986	Camaro	151 (2.5)	2	4	OHV
	Firebird	151 (2.5)	2	4	OHV
	Camaro	173 (2.8)	5	6	OHV
	Firebird	173 (2.8)	5	6	OHV
	Camaro	305 (5.0)	G	8	OHV
	Firebird	305 (5.0)	G	8	OHV
	Camaro	305 (5.0)	H	8	OHV
	Firebird	305 (5.0)	H	8	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
	Camaro	350 (5.7)	8	8	OHV
	Firebird	350 (5.7)	8	8	OHV
1987	Camaro	173 (2.8)	5	6	OHV
	Firebird	173 (2.8)	5	6	OHV
	Camaro	305 (5.0)	H	8	OHV
	Firebird	305 (5.0)	H	8	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
	Camaro	350 (5.7)	8	8	OHV
	Firebird	350 (5.7)	8	8	OHV
1988	Camaro	173 (2.8)	S	6	OHV
	Firebird	173 (2.8)	S	6	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
	Camaro	305 (5.0)	E	8	OHV
	Firebird	305 (5.0)	E	8	OHV
	Camaro	350 (5.7)	8	8	OHV

20 GM "F" BODY

ENGINE IDENTIFICATION

Year	Model	Engine Displacement cu. in. (liter)	Engine Series Identification (VIN)	No. of Cylinders	Engine Type
1988	Firebird	350 (5.7)	8	8	OHV
1989-90	Camaro	173 (2.8)	S	6	OHV
	Firebird	173 (2.8)	S	6	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
	Camaro	305 (5.0)	F	8	OHV
	Firebird	305 (5.0)	F	8	OHV
	Camaro	350 (5.7)	8	8	OHV
	Firebird	350 (5.7)	8	8	OHV
	Camaro	191 (3.1)	—	6	OHV
	Firebird	191 (3.1)	—	6	OHV

OHV Over Head Valve

GENERAL ENGINE SPECIFICATIONS

Year	VIN	No. Cylinder Displacement cu. in. (liter)	Fuel System Type	Net Horsepower @ rpm	Net Torque @ rpm (ft.lbs.)	Bore x Stroke (in.)	Compression Ratio	Oil Pressure @ 2000 rpm
1983	F	4-151 (2.5)	Carb.	92 @ 4200	130 @ 2800	4.000 x 3.000	8.2:1	40
	2	4-151 (2.5)	TBI	90 @ 4000	134 @ 2400	4.000 x 3.000	8.2:1	40
	1	6-173 (2.8)	Carb.	102 @ 4800	145 @ 2400	3.500 x 3.000	8.5:1	40
	L	6-173 (2.8)	Carb.	125 @ 5400	145 @ 2400	3.500 x 3.000	8.9:1	55
	S	8-305 (5.0)	EFI	175 @ 4200	250 @ 2800	3.736 x 3.480	9.5:1	55
	H	8-305 (5.0)	Carb.	145 @ 4000	240 @ 2400	3.736 x 3.480	8.6:1	40
1984	F	4-151 (2.5)	Carb.	92 @ 4200	130 @ 2800	4.000 x 3.000	8.2:1	40
	2	4-151 (2.5)	TBI	90 @ 4000	134 @ 2400	4.000 x 3.000	8.2:1	40
	1	6-173 (2.8)	Carb.	102 @ 4800	145 @ 2400	3.500 x 3.000	8.5:1	40
	G	8-305 (5.0)	Carb.	165 @ 4400	250 @ 2000	3.736 x 3.480	9.5:1	55
	H	8-305 (5.0)	Carb.	150 @ 4000	240 @ 2400	3.736 x 3.480	8.6:1	55
1985	2	4-151 (2.5)	EFI	92 @ 4000	134 @ 2800	4.000 x 3.000	9.0:1	40
	S	6-173 (2.8)	MFI	135 @ 5100	165 @ 3600	3.500 x 3.000	8.9:1	55
	G	8-305 (5.0)	Carb.	165 @ 4400	250 @ 2000	3.740 x 3.480	9.5:1	55
	H	3-305 (5.0)	Carb.	150 @ 4000	240 @ 2400	3.736 @ 3.480	8.6:1	55
	F	8-305 (5.0)	TPI	190 @ 4800	240 @ 3200	3.740 x 3.480	9.5:1	55
1986	2	4-151 (2.5)	EFI	92 @ 4000	134 @ 2800	4.000 x 3.000	9.0:1	40
	S	6-173 (2.8)	MFI	135 @ 5100	165 @ 3600	3.500 x 3.000	8.9:1	55
	G	8-305 (5.0)	Carb.	165 @ 4400	250 @ 2000	3.740 x 3.480	9.5:1	55
	H	8-305 (5.0)	Carb.	150 @ 4000	240 @ 2400	3.736 x 3.480	8.6:1	55
	F	8-305 (5.0)	TPI	190 @ 4800	240 @ 3200	3.740 x 3.480	9.5:1	55
	8	8-350 (5.7)	TPI	230 @ 4000	300 @ 3200	3.736 x 3.480	9.5:1	55
1987	S	6-173 (2.8)	MFI	135 @ 5100	165 @ 3600	3.500 x 3.000	8.9:1	55

GENERAL ENGINE SPECIFICATIONS

Year	VIN	No. Cylinder Displacement cu. in. (liter)	Fuel System Type	Net Horsepower @ rpm	Net Torque @ rpm (ft.lbs.)	Bore x Stroke (in.)	Com- pression Ratio	Oil Pressure @ 2000 rpm
1987	H	8-305 (5.0)	Carb.	150 @ 4000	240 @ 2400	3.736 x 3.480	8.6:1	55
	F	8-305 (5.0)	TPI	190 @ 4800	240 @ 3200	3.740 x 3.480	9.3:1	55
	8	8-350 (5.7)	TPI	230 @ 4000	300 @ 3200	4.000 x 3.480	9.5:1	55
1988	S	6-173 (2.8)	MFI	135 @ 5100	165 @ 3600	3.500 x 3.000	8.9:1	55
	F	8-305 (5.0)	TPI	190 @ 4800	240 @ 3200	3.736 x 3.480	9.3:1	55
	E	8-305 (5.0)	TBI	150 @ 4000	240 @ 3200	3.736 x 3.480	9.3:1	55
	8	8-350 (5.7)	TPI	230 @ 4000	300 @ 3200	4.000 x 3.480	9.5:1	55
1989-90	S	6-173 (2.8)	MFI	135 @ 5100	165 @ 3600	3.500 x 3.000	8.9:1	55
	F	8-305 (5.0)	TPI	190 @ 4800	240 @ 3200	3.736 x 3.480	9.3:1	55
	E	8-305 (5.0)	TBI	150 @ 4000	240 @ 3200	3.736 x 3.480	9.3:1	55
	8	8-350 (5.7)	TPI	230 @ 4000	300 @ 3200	4.000 x 3.480	9.5:1	55

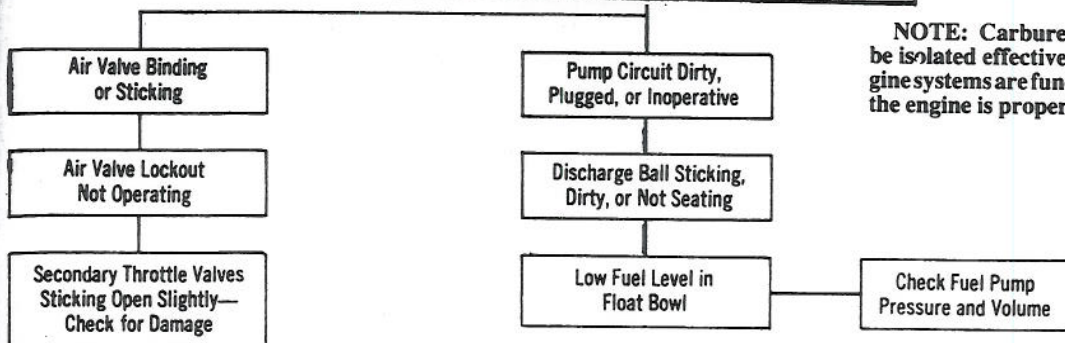
GASOLINE ENGINE TUNE-UP SPECIFICATIONS

Year	VIN	No. Cylinder Displacement cu. in. (liter)	Spark Plugs		Ignition Timing (deg.)		Com- pression Pressure (psi)	000030 Fuel Pump (psi)	Speed (rpm)		Valve Clearance	
			Type	Gap (in.)	MT	AT			MT	AT	In.	Ex.
1983	F	4-151 (2.5)	R-44TS	.060	8	8	NA	5.5-6.5	775	500	Hyd.	Hyd.
	2	4-151 (2.5)	R-44TSX	.060	8	8	NA	9.0-13.0	775	500	Hyd.	Hyd.
	1	6-173 (2.8)	R-43CTS	.045	10	10	NA	5.5-6.5	850	700	Hyd.	Hyd.
	L	6-173 (2.8)	R-42CTS	.045	10	10	NA	6.0-7.5	850	750	Hyd.	Hyd.
	S	8-305 (5.0)	R-45TS	.045	—	6	NA	9.0-13.0	—	475	Hyd.	Hyd.
	H	8-305 (5.0)	R-45TS	.045	6	6	NA	5.5-6.5	750	575	Hyd.	Hyd.
1984	F	4-151 (2.5)	R-44TS	.060	8	8	NA	5.5-6.5	775	500	Hyd.	Hyd.
	2	4-151 (2.5)	R-44TSX	.060	8	8	NA	9.0-13.0	775	500	Hyd.	Hyd.
	1	6-173 (2.8)	R-43CTS	.045	10	10	NA	5.5-6.5	850	700	Hyd.	Hyd.
	G	8-305 (5.0)	R-45TS	.045	6	6	NA	5.5-6.5	750	550	Hyd.	Hyd.
	H	8-305 (5.0)	R-45TS	.045	6	6	NA	5.5-6.5	750	575	Hyd.	Hyd.
1985	2	4-151 (2.5)	R-43TSX	.060	8	8	NA	9.0-13.0	775	500	Hyd.	Hyd.
	S	6-173 (2.8)	R-42CTS	.045	10	10	NA	6.0-7.5	600	500	Hyd.	Hyd.
	G	8-305 (5.0)	R-43CTS	.045	6	6	NA	9.0-13.0	750	550	Hyd.	Hyd.
	H	8-305 (5.0)	R-43CTS	.045	6	6	NA	9.0-13.0	750	550	Hyd.	Hyd.
	F	8-305 (5.0)	R-43CTS	.045	—	6	NA	9.0-13.0	—	500	Hyd.	Hyd.
1986	2	4-151 (2.5)	R-43TSX	.060	8	8	NA	9.0-13.0	775	500	Hyd.	Hyd.
	S	6-173 (2.8)	R-42CTS	.045	10	10	NA	6.0-7.5	600	500	Hyd.	Hyd.
	G	8-305 (5.0)	R-43CTS	.045	6	6	NA	9.0-13.0	750	550	Hyd.	Hyd.
	H	8-305 (5.0)	R-43CTS	.045	6	6	NA	9.0-13.0	750	550	Hyd.	Hyd.
	F	8-305 (5.0)	R-43CTS	.045	—	6	NA	9.0-13.0	—	500	Hyd.	Hyd.
	8	8-350 (5.7)	R-43CTS	.045	6	6	NA	9.0-13.0	450	400	Hyd.	Hyd.
1987	S	6-173 (2.8)	R-43LTSE	.045	10	10	NA	9.0-13.0	600	500	Hyd.	Hyd.
	H	8-305 (5.0)	R-44TS	.035	6	6	NA	9.0-13.0	500	500	Hyd.	Hyd.



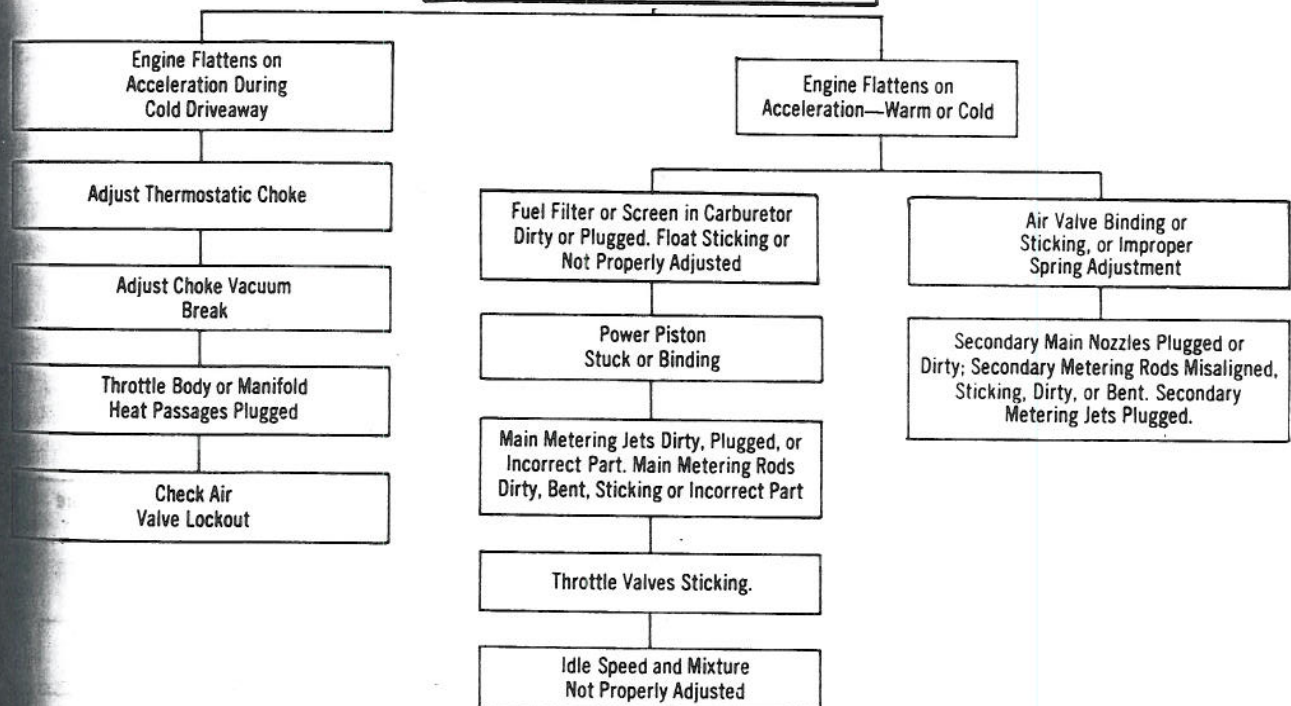
TROUBLE SHOOTING

ENGINE HESITATES ON ACCELERATION

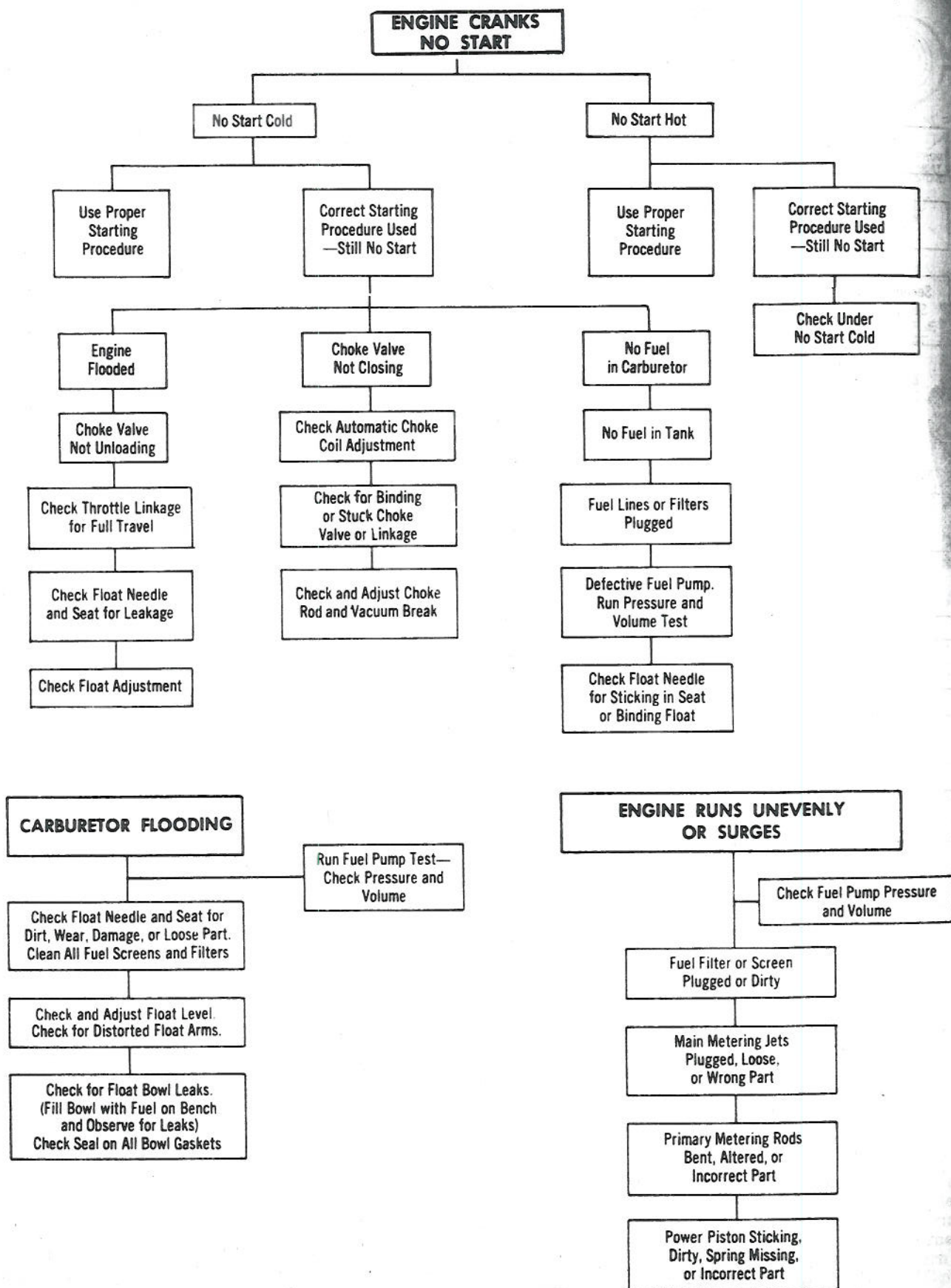


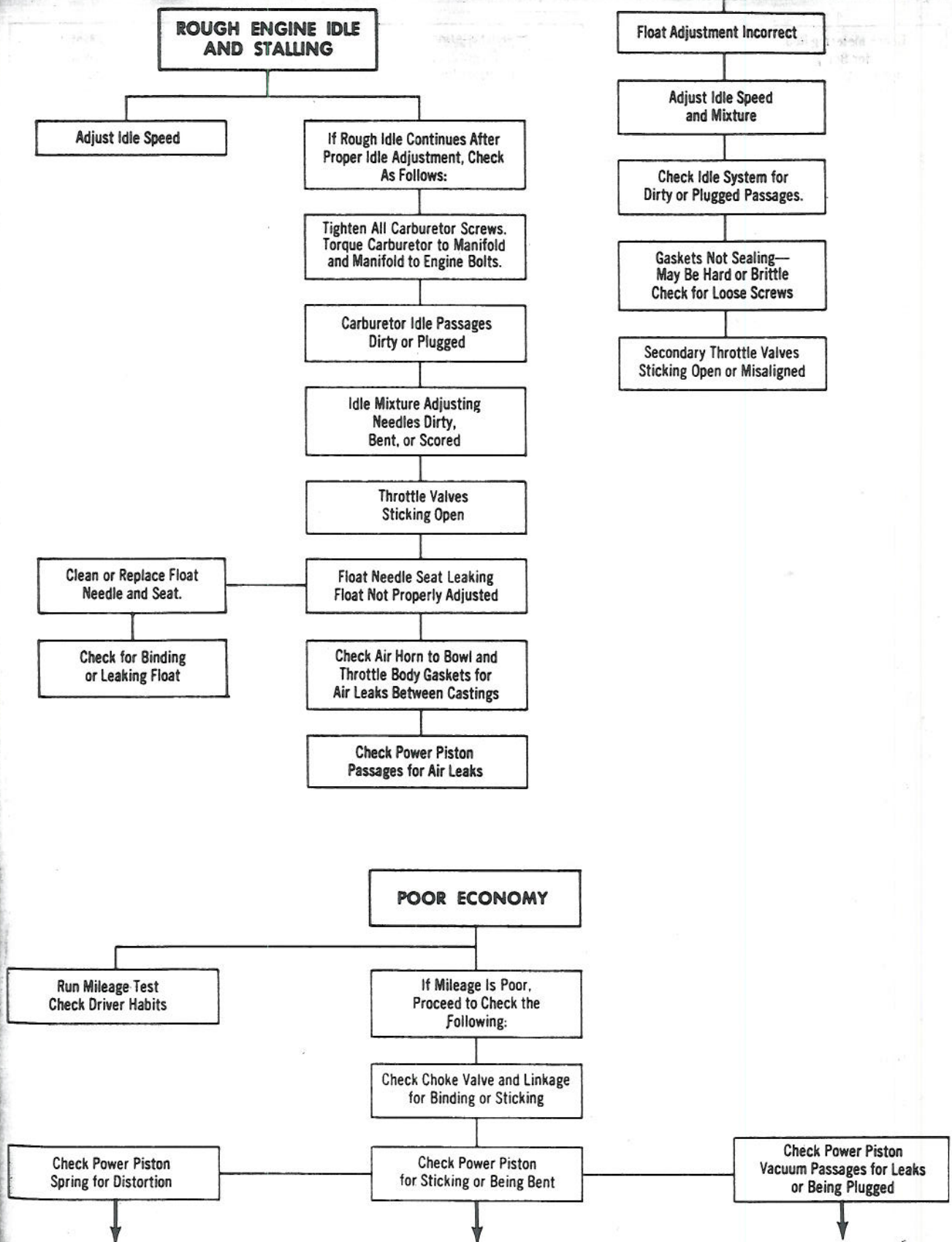
NOTE: Carburetor problems cannot be isolated effectively unless all other engine systems are functioning correctly and the engine is properly tuned.

ENGINE FEELS SLUGGISH OR FLAT ON ACCELERATION

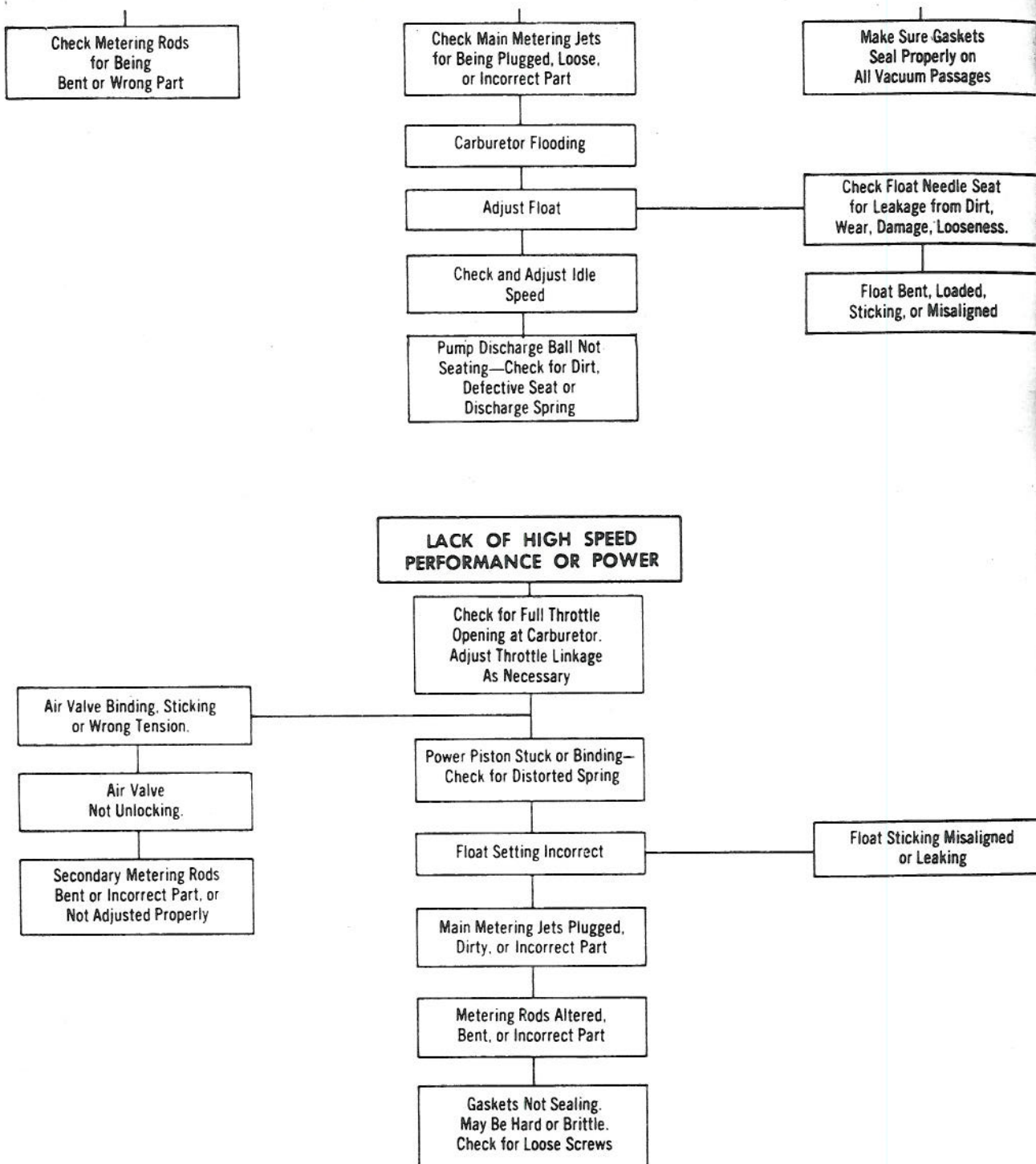


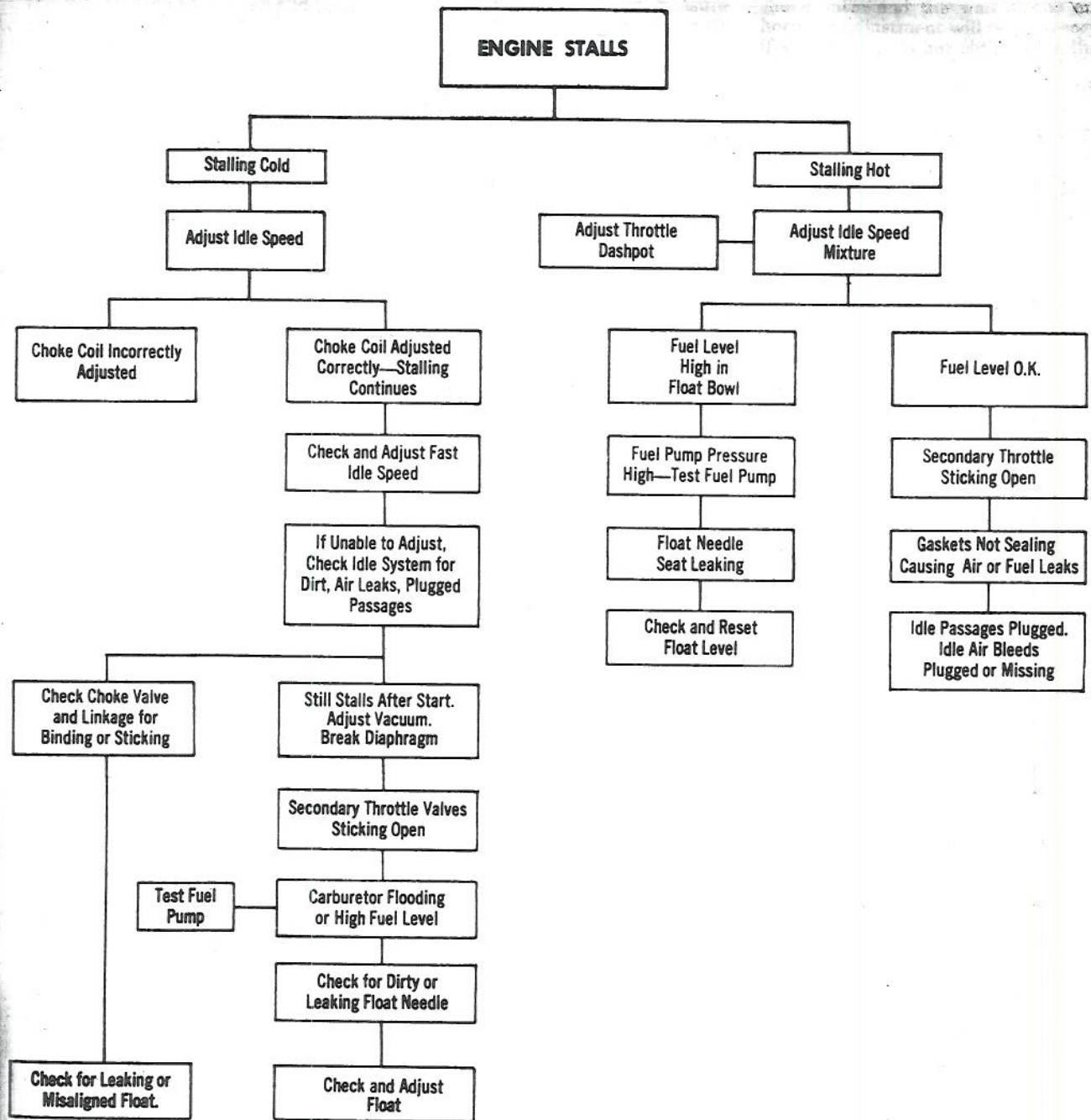
29 CARBURETOR SERVICE





29 CARBURETOR SERVICE





29 CARBURETOR SERVICE

CARBURETOR APPLICATION CHART AND INDEX

The carburetor manufacturer, model and identification numbers which are listed in the specifications chart, appear either on a tag on the carburetor or stamped on the carburetor body.

NOTE: New model carburetor part numbers and specifications are not released by the manufacturers until well after the press date for this manual. These will be included in the next edition. New model carburetor part numbers are obtained from the most current factory sources, however, carburetors which are new or redesigned by the manufacturer during the production year and designated with new part numbers may not appear.

Car Manufacturer	Year	Carburetor Manufacturer	Carburetor Model	Page Numbers	
				Adjustments	Specifications
American Motors	1983-84	Carter	BBD	29-2	29-11
	1983-88	Carter	YF, YFA	29-12	29-14
	1983-86	Rochester	2SE, E2SE	29-47	29-50
Chrysler Corp.	1983-84	Carter	BBD	29-2	29-11
	1983-84	Carter	TQ	29-15	29-18
	1985-89	Holley	2280, 6280	29-34	29-36
	1983-87	Holley	5220	29-40	29-41
	1983	Holley	6145	29-43	29-45
	1983-87	Holley	6520	29-40	29-42
	1983-85	Mikuni	NA	29-68	29-68
	1985-89	Rochester	Quadrajets	29-58	29-61
Ford Motor Co.	1983-86	Carter	YF, YFA, YFA-FB	29-12	29-14
	1983-85	Ford, Autolite, Motorcraft	2100, 2150, 2150A	29-22	29-24
	1983-86	Motorcraft	740	29-18	29-21
	1983-89	Motorcraft	7200VV	29-24	29-28
	1983	Holley	1946	29-29	29-30
	1984-87	Holley	1949	29-31	29-34
	1983-85	Holley	4180C	29-37	29-38
	1984	Holley	6149	29-31	29-34
	1985-89	Aisan (Festiva)	2 bbl	29-72	29-72
General Motors	1983-86	Holley	6510C	29-44	29-46
	1983-87	Holley	5210C	29-38	29-39
	1983-86	Rochester	2SE, E2SE	29-47	29-50
	1983-87	Rochester	2MC, M2MC, M2ME, E2ME, E2MC	29-49	29-57
	1983-89	Rochester	Quadrajets	29-58	29-61

29 CARBURETOR SERVICE

Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS American Motors

Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1983-84	1982380	0.216 ②	0.128	2500 ③	0.085	18/096	2 ①	21/117	Fixed	34/211	0.065
	1983384	0.138	0.128	2700	0.085	18/096	2 ①	19/103	Fixed	34/211	0.065
	1983385	0.138	0.128	2700	0.085	18/096	②①	19/103	Fixed	34/211	0.065
1985-86	17085006	4/32	0.128	④	0.085	22/123	1 ①	21/117	Fixed	40/260	0.025
	17085380	5/32	0.128	④	0.085	22/123	1 ①	26/149	Fixed	40/260	0.025
	17085381	5/32	0.128	④	0.085	22/123	1 ①	26/149	Fixed	40/260	0.025
	17085382	5/32	0.128	④	0.085	22/123	1 ①	26/149	Fixed	40/260	0.025
	17085383	5/32	0.128	④	0.085	22/123	1 ①	26/149	Fixed	40/260	0.025
	17085385	5/32	0.128	④	0.085	22/123	1 ①	26/149	Fixed	40/260	0.025
	17085388	4/32	0.128	④	0.085	22/123	1 ①	21/117	Fixed	30/179	0.025
	17086081	4/32	0.128	④	0.085	22/123	1 ①	25/142	Fixed	30/179	0.025

① Degrees—see procedure

② Auto. trans. —.138

③ Auto. trans.—2700

④ See underhood decal

Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS General Motors—U.S.A.

Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Secondary Vacuum Break (deg./in.)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1983	17083356	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083357	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083358	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083359	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083368	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083369	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083370	13/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	35/220	30/179	.025
	17083391	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083392	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083393	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083394	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083395	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083396	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083397	13/32	Fixed	①	.085	28/164	1 ②	30/179	Fixed	35/220	38/243	.025
	17083450	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083451	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083452	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083453	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083454	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083455	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083456	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083630	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083631	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083632	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025

Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS General Motors—U.S.A.

Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Secondary Vacuum Break (deg./in.)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1983	17083633	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083634	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083635	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
	17083636	1/4	Fixed	①	.085	28/164	1 ②	27/157	Fixed	35/220	45/304	.025
1984	17072683	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17074812	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084356	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084357	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084358	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084359	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084368	1/8	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084370	1/8	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	.025
	17084430	11/32	Fixed	①	.085	15/077	1 ②	26/149	Fixed	30/179	30/179	.025
	17084431	11/32	Fixed	①	.085	15/077	1 ②	26/149	Fixed	38/243	42/277	.025
	17084434	11/32	Fixed	①	.085	15/077	1 ②	26/149	Fixed	38/243	42/277	.025
	17084435	11/32	Fixed	①	.085	15/077	1 ②	26/149	Fixed	38/243	42/277	.025
	17084452	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	38/243	42/377	.025
	17084453	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084455	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084456	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084458	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084532	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084534	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084535	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084537	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084538	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084540	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084542	1/8	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084632	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084633	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084635	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
	17084636	9/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	.025
1985	17084534	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—
	17084535	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—
	17084540	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—
	17084542	4/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—
	17085356	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085357	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085358	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085359	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085368	4/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085369	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085370	4/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085371	9/32	Fixed	①	.085	22/123	1 ②	25/142	Fixed	30/179	30/179	—
	17085452	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—
	17085453	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	—

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Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS General Motors—U.S.A.

Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Secondary Vacuum Break (deg./in.)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1985	17085458	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	
1986	17084534	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	
	17084535	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	
	17084540	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	
	17084542	5/32	Fixed	①	.085	28/164	1 ②	25/142	Fixed	35/220	45/304	

- ① See underhood decal
② Measurement in degrees

Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS General Motors—Canada

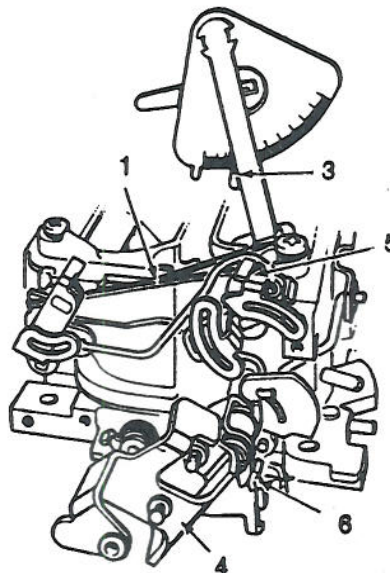
Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Secondary Vacuum Break (deg./in.)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1983	17083311	5/16	Fixed	①	.085	24/136	1	18/096	Fixed	20/110	35/220	.025
	17083314	5/16	Fixed	①	.085	24/136	1	16/083	Fixed	20/110	35/220	.025
	17083401	5/16	Fixed	①	.085	24/136	1	18/096	Fixed	20/110	35/220	.025
	17083440	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083441	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083442	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083443	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083444	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083445	1/4	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083460	1/4	19/32	①	.085	18/096	1	19/103	Fixed	—	36/227	.025
	17083461	1/4	19/32	①	.085	18/096	1	18/096	Fixed	—	36/227	.025
	17083462	1/4	19/32	①	.085	18/096	1	19/103	Fixed	—	36/227	.025
	17083464	1/8	19/32	①	.085	18/096	1	19/103	Fixed	—	36/227	.025
	17083465	1/8	19/32	①	.085	18/096	1	20/110	Fixed	—	36/227	.025
	17083466	1/8	19/32	①	.085	18/096	1	19/103	Fixed	—	36/227	.025
	17083620	7/16	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083621	7/16	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
	17083622	7/16	19/32	①	.085	24/136	1	28/164	Fixed	34/195	40/260	.025
	17083623	7/16	19/32	①	.085	24/136	1	28/164	Fixed	32/195	40/260	.025
1984	17084312	5/16	Fixed	①	.085	24/136	1	18/096	Fixed	20/110	35/220	.025
	17084314	5/16	Fixed	①	.085	29/171	1	16/083	Fixed	20/110	30/179	.025
	17084480	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084481	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084482	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084483	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084484	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084485	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084486	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084487	1/4	Fixed	①	.085	24/136	1	28/164	Fixed	32/195	45/304	.025
	17084620	7/16	Fixed	①	.085	24/136	1	26/149	Fixed	32/195	45/304	.025
	17084621	7/16	Fixed	①	.085	24/136	1	26/149	Fixed	32/195	45/304	.025

Rochester 2SE, E2SE CARBURETOR SPECIFICATIONS General Motors—Canada

Year	Carburetor Identification	Float Level (in.)	Pump Rod (in.)	Fast Idle (rpm)	Choke Coil Lever (in.)	Fast Idle Cam (deg./in.)	Air Valve Rod (in.)	Primary Vacuum Break (deg./in.)	Choke Setting (notches)	Secondary Vacuum Break (deg./in.)	Choke Unloader (deg./in.)	Secondary Lockout (in.)
1984	17084622	7/16	Fixed	⊙	.085	24/136	1	26/149	Fixed	32/195	45/304	.025
	17084623	7/16	Fixed	⊙	.085	24/136	1	26/149	Fixed	32/195	45/304	.025
1985	17084312	5/16	Fixed	⊙	.085	—	1	18/096	Fixed	20/110	35/220	—
	17084314	5/16	Fixed	⊙	.085	—	1	16/083	Fixed	20/110	30/179	—
	17085484	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085485	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085482	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085483	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085484	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085485	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085486	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085487	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
1986	17086484	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17086485	12/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17086486	4/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17086487	4/32	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
1987	17084312	5/16	Fixed	⊙	.085	—	1	18/096	Fixed	20/110	35/220	—
	17084314	5/16	Fixed	⊙	.085	—	1	16/083	Fixed	20/110	30/179	—
	17085482	3/8	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085483	3/8	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085484	3/8	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—
	17085485	3/8	Fixed	⊙	.085	—	1	28/164	Fixed	32/195	45/304	—

⊙ See underhood decal

1. ATTACH RUBBER BAND TO INTER-MEDIATE CHOKE LEVER.
2. OPEN THROTTLE TO ALLOW CHOKE VALVE TO CLOSE.
3. SET UP ANGLE GAGE AND SET ANGLE TO SPECIFICATIONS.
4. HOLD THROTTLE LEVER IN WIDE OPEN POSITION.
5. PUSH ON CHOKE SHAFT LEVER TO OPEN CHOKE VALVE AND TO MAKE CONTACT WITH BLACK CLOSING TANG.
6. ADJUST BY BENDING TANG UNTIL BUBBLE IS CENTERED.



E2SE choke unloader adjustment

1. HOLD CHOKE VALVE WIDE OPEN BY PUSHING COUNTER-CLOCKWISE ON INTER-MEDIATE CHOKE LEVER.
2. OPEN THROTTLE LEVER UNTIL END OF SECONDARY ACTUATING LEVER IS OPPOSITE TOE OF LOCKOUT LEVER.
3. GAUGE CLEARANCE - DIMENSION SHOULD BE AS SPECIFIED.
4. IF NECESSARY TO ADJUST, BEND LOCKOUT LEVER TANG CONTACTING FAST IDLE CAM.

2SE and E2SE secondary lockout adjustment—typical*